

## EAST Search History

| Ref # | Hits | Search Query              | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---------------------------|---|------------------|---------|------------------|
| S1    | 40   | (shimizu with etsuro).in. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/14 11:19 |
| S2    | 24   | (hitoshi with komine).in. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/14 12:32 |
| S3    | 948  | (356/328).CCLS.           | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | OFF     | 2006/04/14 12:34 |
| S4    | 378  | (356/334).CCLS.           | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | OFF     | 2006/04/14 12:35 |
| S5    | 540  | 356/328 and substrate     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/14 13:10 |
| S6    | 127  | 356/334 and substrate     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/14 13:10 |
| S7    | 40   | S6 not S5                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/14 13:20 |
| S8    | 453  | S5 not S6                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/17 08:53 |
| S9    | 168  | 356/328 and waveguide     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/17 08:53 |

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|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S10 | 182 | 356/328 and (waveguide or (wave adj guide))                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/17 10:20 |
| S11 | 42  | 356/334 and (waveguide or (wave adj guide))                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/17 09:23 |
| S12 | 6   | S11 not S10  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/17 09:24 |
| S13 | 1   | 356/334 and (curv\$3 with bent)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/17 09:25 |
| S14 | 8   | 356/334 and (curv\$3 with (bent or bend\$4 or flex\$4))                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/17 09:27 |
| S15 | 17  | 356/328 and (curv\$3 with (bent or bend\$4 or flex\$4))                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/17 09:37 |
| S16 | 37  | 356/300-334.ccls. and (curv\$3 with (bent or bend\$4 or flex\$4))                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/17 09:38 |
| S17 | 2   | 356/300-334.ccls. and (grating with (curv\$3 with (bent or bend\$4 or flex\$4))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/17 09:38 |
| S18 | 3   | ("5020910"   "5026160"   "5754290").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/04/17 09:42 |

## EAST Search History

|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| S19 | 5    | ("6249346").URPN.  | USPAT   | OR | ON  | 2006/04/17 10:07 |
| S20 | 7    | ("4744618"   "4836634"   "5026150").PN. OR ("5754290").URPN.                 | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/04/17 10:10 |
| S21 | 1148 | 356/319  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/17 10:53 |
| S22 | 471  | (356/319).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/04/17 10:21 |
| S23 | 123  | 356/300-334.ccls. and monolithic   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/17 10:53 |
| S24 | 136  | 356/300-334.ccls. and monolithic\$5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/17 11:08 |
| S25 | 4    | (zeiss adj monolithic)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/17 11:09 |
| S26 | 5073 | 385/14   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/20 15:13 |
| S27 | 4286 | 385/14.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/20 15:13 |
| S28 | 107  | S27 and (spectrometer or spectrograph or spectrophotometer or monochromator) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/20 15:19 |

## EAST Search History

|     |   |  |   |    |    |                  |
|-----|---|--|---|----|----|------------------|
| S29 | 5 | ((waveguide substrate) and slit and (prism grating) and (photoelectric photodiode photodetector photomultiplier) and (inner interior inside)).clm.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/20 15:21 |
| S30 | 8 | ((waveguide substrate) and slit and (prism grating separat\$3) and (photoelectric photodiode photodetector photomultiplier) and (inner interior inside) and (monolithic\$4 integral\$2 integrat\$3)).clm.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/20 15:22 |
| S31 | 1 | ((waveguide substrate) and slit and (prism grating separat\$3) and (photoelectric photodiode photodetector photomultiplier) and (inner interior inside) and (monolithic\$4 integral\$2 integrat\$3) and (spectroscope spectrometer spectrophotometer monochromater)).clm.                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/20 15:23 |
| S32 | 1 | ((waveguide substrate) and slit and (prism grating separat\$3) and (photoelectric photodiode photodetector photomultiplier) and (inner interior inside) and (monolithic\$4 integral\$2 integrat\$3) and (spectroscope spectrometer spectrophotometer monochromater) and (mount\$2 attach\$2)).clm.             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/20 15:24 |
| S33 | 1 | 356/328 and ((waveguide substrate) and slit and (prism grating separat\$3) and (photoelectric photodiode photodetector photomultiplier) and (inner interior inside) and (monolithic\$4 integral\$2 integrat\$3) and (spectroscope spectrometer spectrophotometer monochromater) and (mount\$2 attach\$2)).clm. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/20 15:24 |